

SOUTH LEWIS HIGH SCHOOL Course Catalog

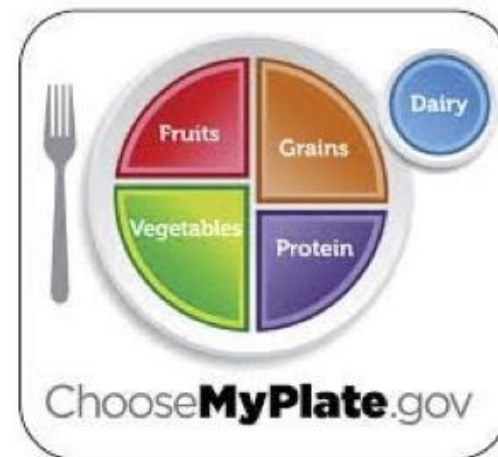
Goals for students:

- Obtain basic kitchen and food shopping skills
- Recognize the relationship between diet & wellness
- Practice meal planning and food preparation
- Try a variety of new foods
- Explore and prepare foods from around the world
- Discover the history behind our favorite foods



Career opportunities:

- Farm Owner
- Butcher
- Nutritionist
- Restaurant owner
- Chef/cook
- Baker/Pastry Chef
- Fitness & Wellness Coach
- Parent
- Food taste tester



Food Sampler-

1 Semester

(1/2 Credit Course)



Goals:

- Understand developmental stages of all humans
- Explore the challenges & rewards of parenting
- Recognize the importance of family life
- Explore parenting styles & parent/child relationships
- Encourage the growth of healthy families



Caring For Kids-

1 Semester
Course(½ credit)

SKILLS FOR LIFE



Real world applications/Related Careers:

- Parent/Uncle/Aunt/Family Member
- Babysitter/caregiver
- Teacher
- Coach
- Daycare worker
- Toy/game developer
- Camp counselor
- therapist
- pediatric nurse/doctor

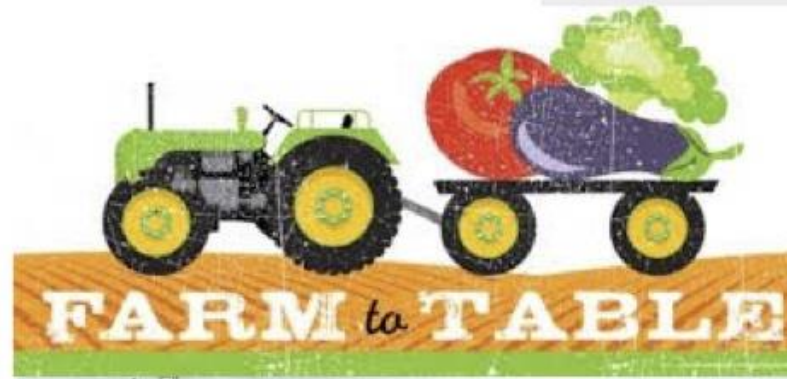


Food Science

2 semesters/
1 credit course

Applications/Careers:

- Food Scientist
- Nutritionist
- USDA/FDA
- Athlete/Trainer -Diary Scientist -Farmer
- Dietician
- Chef/Baker
- Farm Market Vendor



**FAMILY &
CONSUMER
SCIENCES**
Creating Healthy & Sustainable Families



Goals:

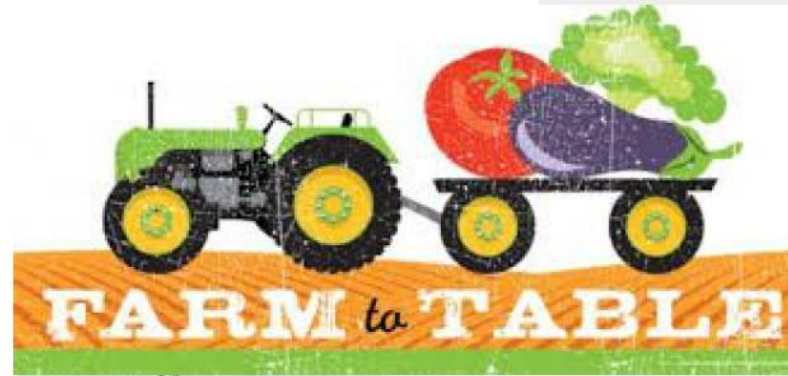
- Explore food uses, production, processing, preservation, marketing, and consumption
- Research the science behind common foods
- Apply food science principles to food preparation labs
- Practice basic kitchen skills including food safety and food preparation techniques
- Prepare a variety of foods including; candies, baked goods, dehydrated foods, ice cream, jams, pickled foods, and much more.

Food Science

2 semesters/
1 credit course

Applications/Careers:

- Food Scientist
- Nutritionist
- USDA/FDA
- Athlete/Trainer
- Food Scientist
- Farmer
- Dietician
- Chef/Baker
- Farm Market Vendor



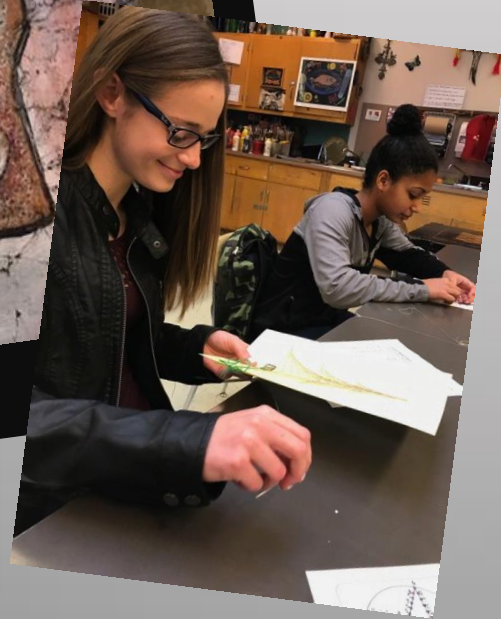
Goals:

- Explore food uses, production, processing, preservation, marketing, and consumption
- Research the science behind common foods
- Apply food science principles to food preparation labs
- Practice basic kitchen skills including food safety and food preparation techniques
- Prepare a variety of foods including; candies baked goods, dehydrated foods, ice cream, jams, pickled foods, and much more.

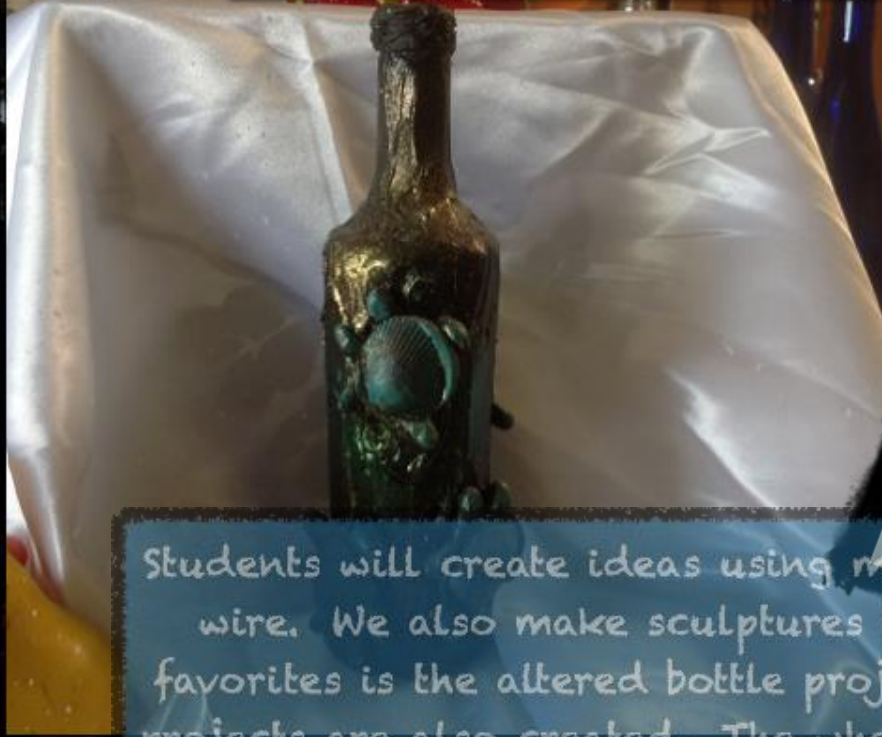
Studio Art

Ms. Panella

This course is strongly suggested as the beginning of your high school art career. Emphasis is on the understanding of the elements of art and principles of design. These two areas will help lead you to some great compositions. Students will explore a variety of artists, processes, and materials, such as drawing, painting, printmaking, and 2 dimensional design. The art work will reflect aesthetics both cultural and historical. All you need is a spirit that loves laughter, a willingness to get involved and some effort.



Sculpture

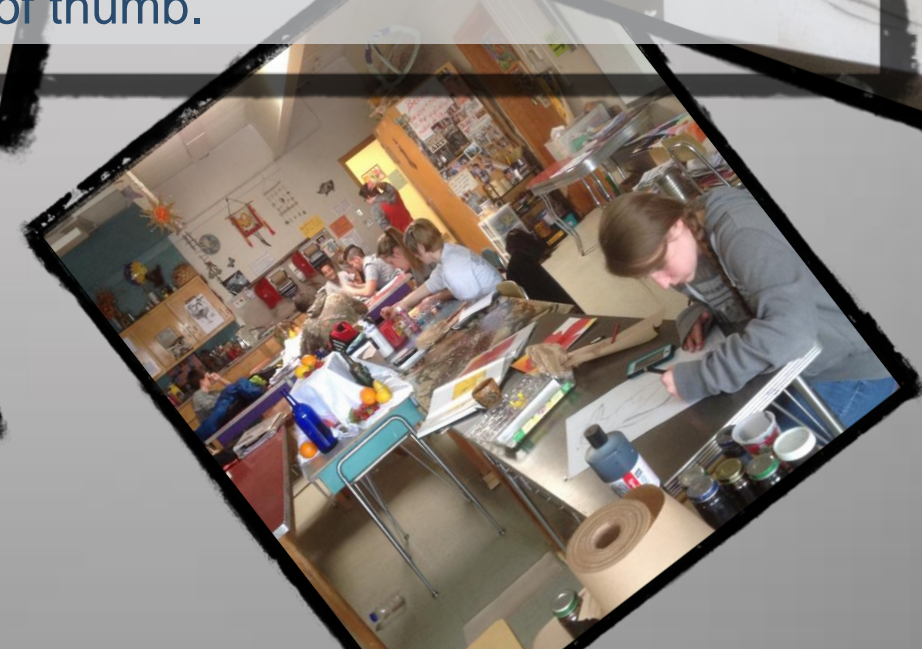
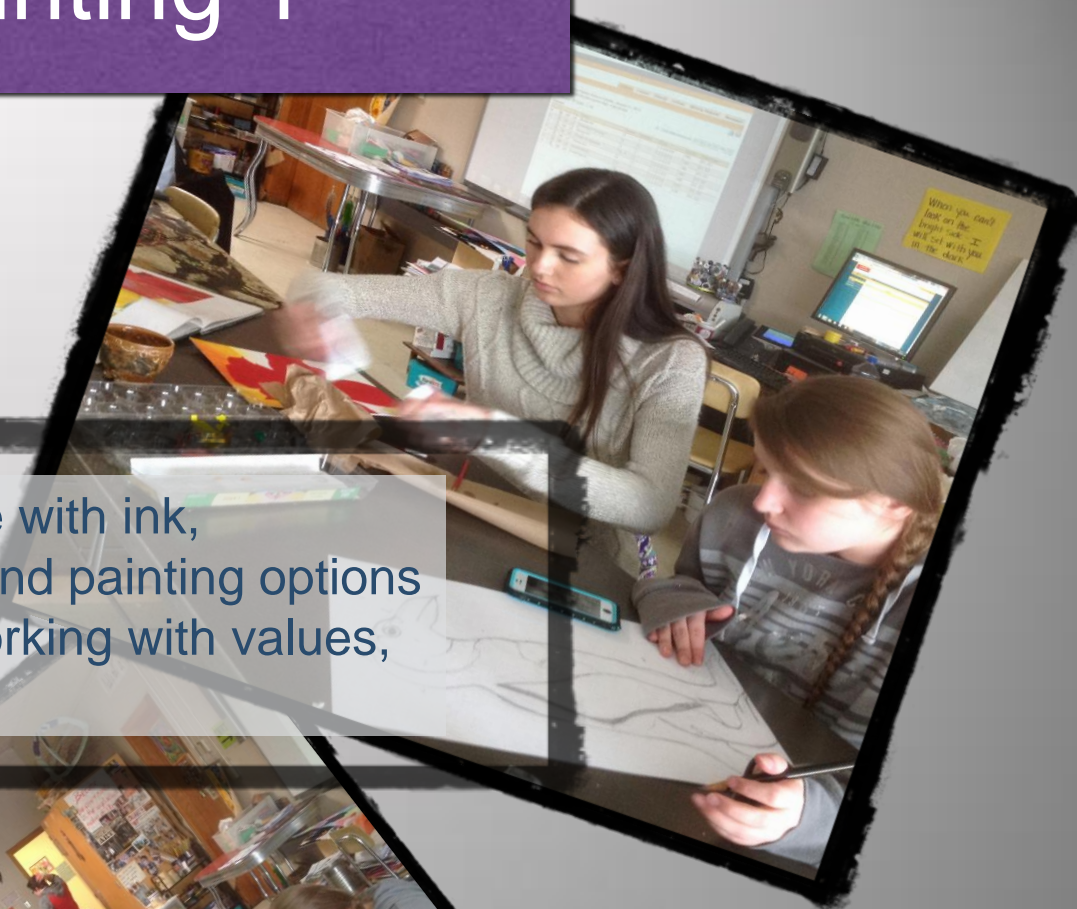
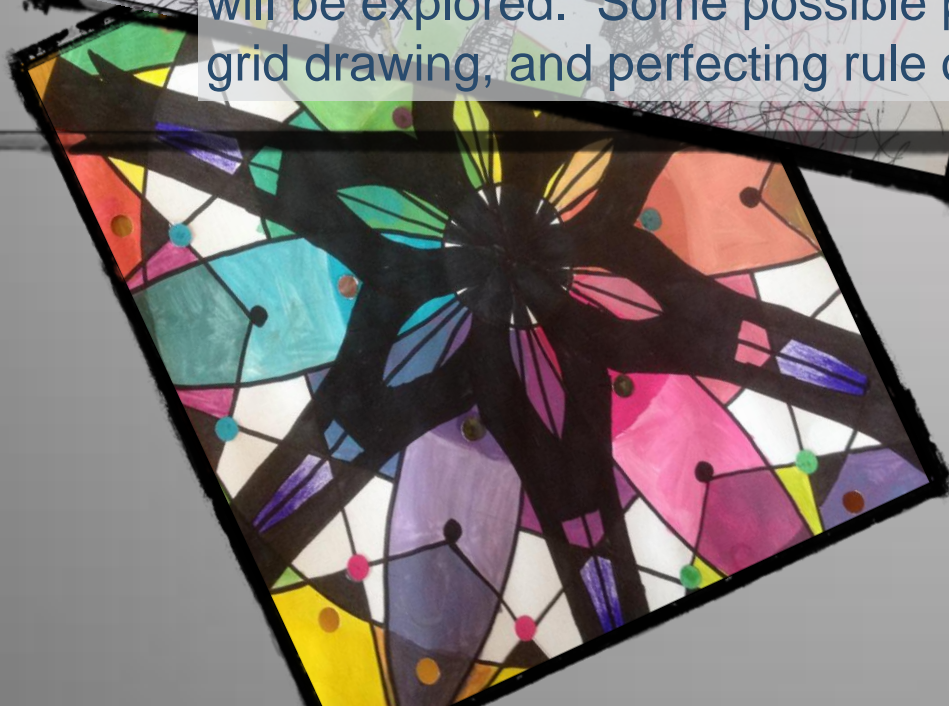
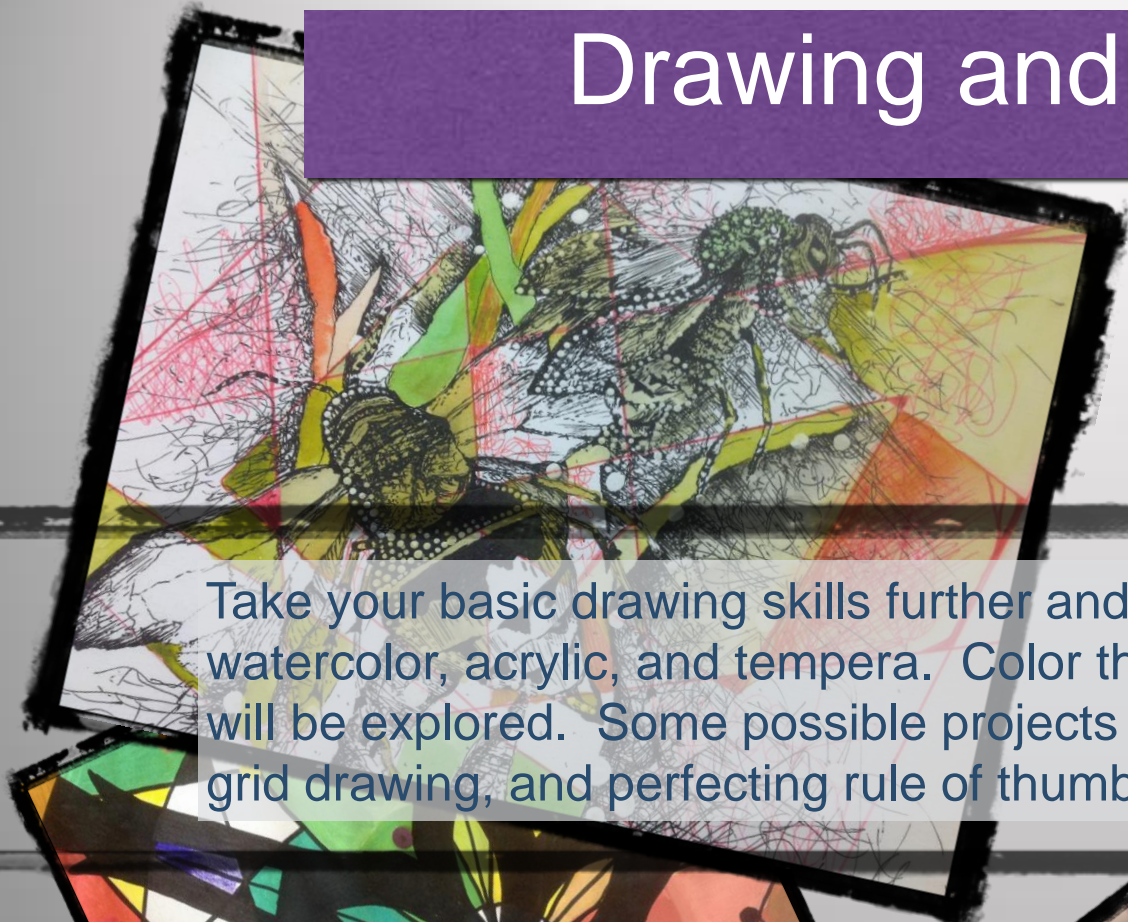


Students will create ideas using materials such as metal, clay, wood, plaster and wire. We also make sculptures from recycled objects. One of our students' favorites is the altered bottle project. Some relief style 2-D projects and design projects are also created. The wheel throwing process is introduced in this class.



Drawing and Painting 1

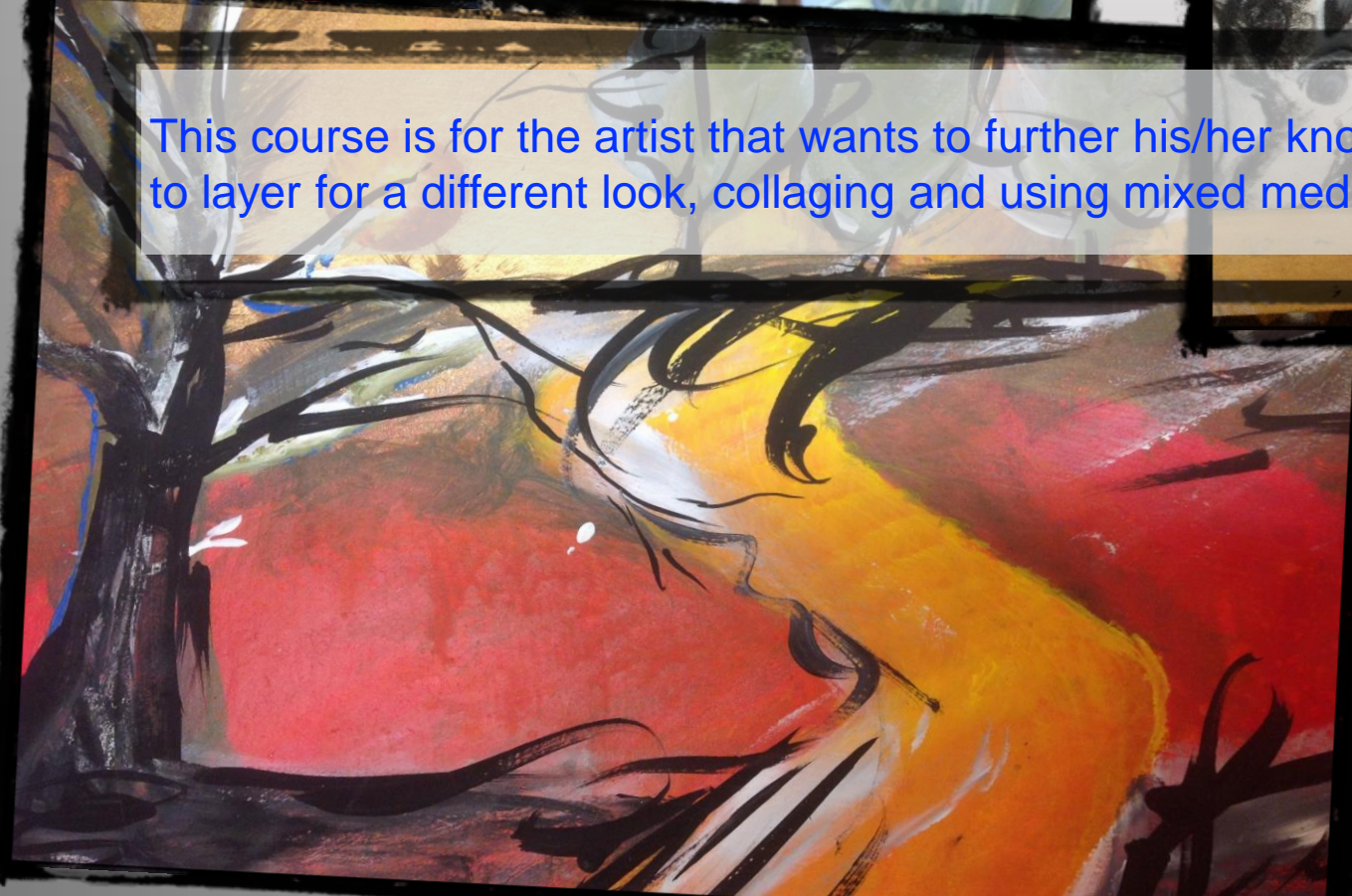
Take your basic drawing skills further and create with ink, watercolor, acrylic, and tempera. Color theory and painting options will be explored. Some possible projects are working with values, grid drawing, and perfecting rule of thumb.



Drawing and Painting 2

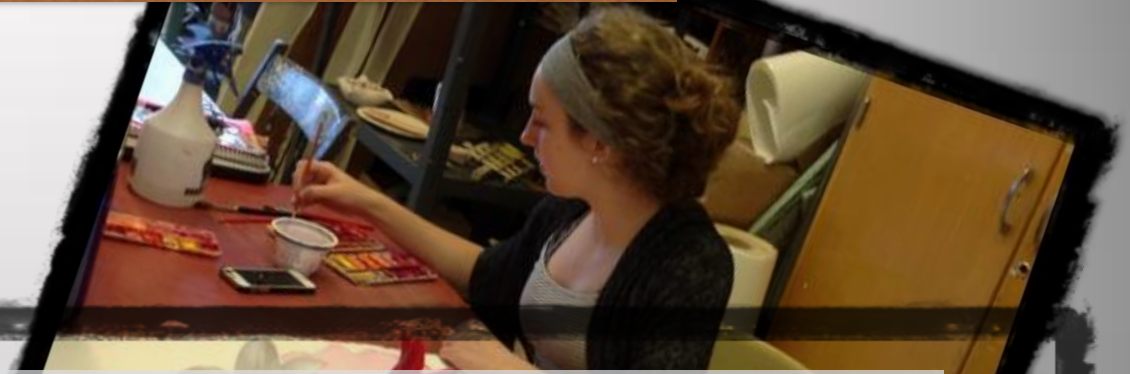
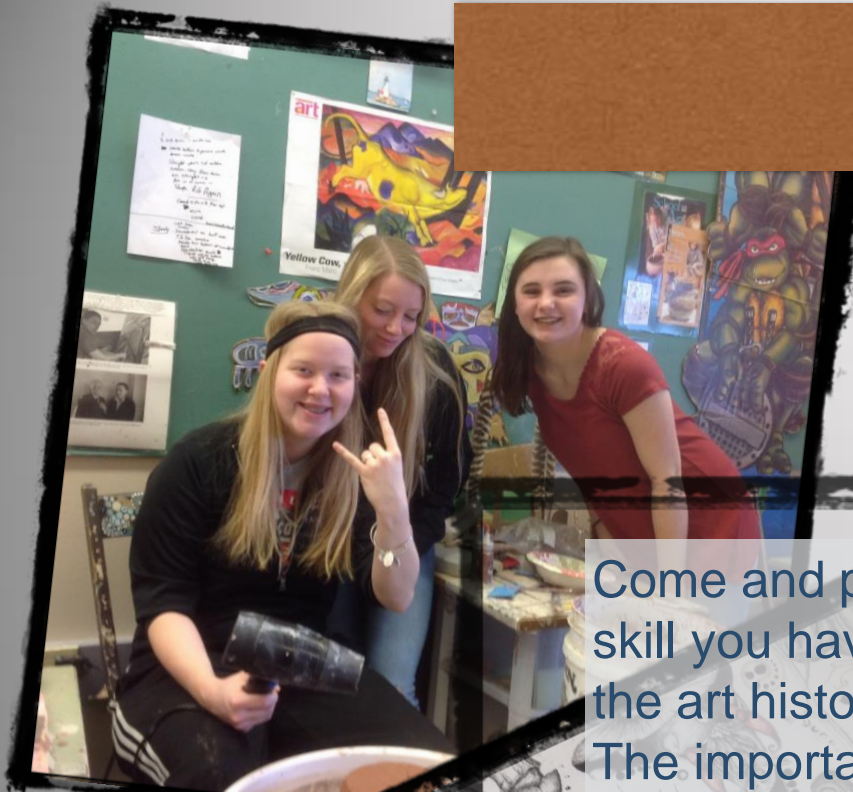


This course is for the artist that wants to further his/her knowledge of the way paint dries, how to layer for a different look, collaging and using mixed media to further your artistic skills.



Advanced Art

Come and put all your art ideas into action. Use all the knowledge and skill you have gained to create some masterpieces. We explore more of the art history and how art documents and explains the past and future. The importance of art as a culture is explored.



Digital Photography

Mrs. Hoch

This course will help the students become well rounded in the fundamentals of digital photography. Four areas of instruction will be emphasized:

How cameras work

How composition works

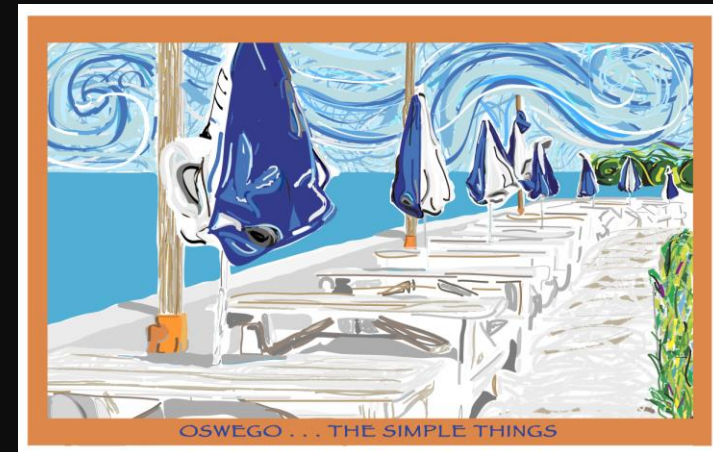
How lighting works

How to use photo editing software

Students will, generally, receive basic instruction and demonstration and see samples of the desired outcomes at the beginning of each period. They will be allowed to go outside and shoot assignments, based on what they are learning. Perhaps the most useful part of classroom instruction will be daily reviews of photos students have shot the previous day(s). They will see what makes a successful photo and what does not.



Picture to Painting



Graphic Design

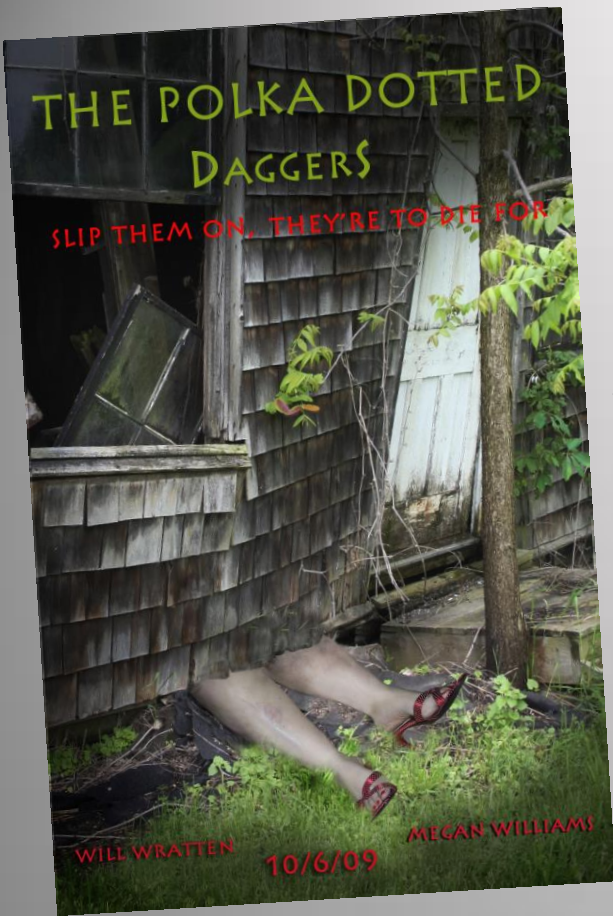
Mrs. Hoch

In the growing world of technology, it is important for students to be educated in the needs of graphic design and how it can, and does fit into their everyday life. Students should have the basic foundations and information to create their own designs for everyday needs. Here are some of the needs of today that would be part of the graphic design course.

Topics Include:

- Portfolio Preparation
- Presentation Design Unit
- Fundamentals of Logo Design Unit
- Advertisement Unit
- Image Alterations Unit

Movie Poster



Alphabet Design



Zoo Opening Flyer

Innovation and Entrepreneurship

Mr. Youngs

3D Printers
Commercials

Career Opportunities

Business

Finance
Web Page Design
Design/Fabrication/Sales

Manufacturing

3D Printing
CNC Machining
Engineering
Laser Engraving
Product Testing
Prosthetics

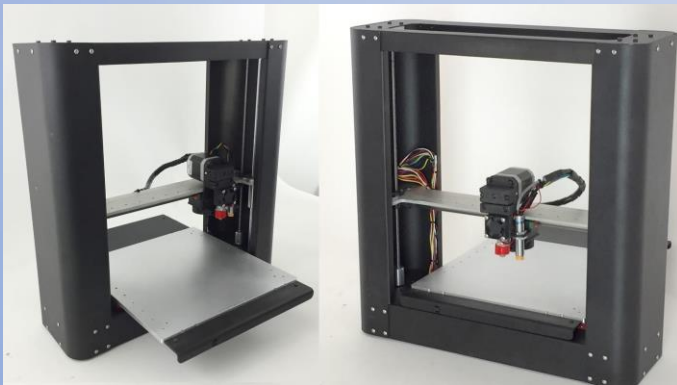


Web Page Design
CAD Design



Areas of Study

- Animation
- Coding
- Renewable Energy
- Wearable Technology
- Drones
- Innovative Technology



FTC Robotics and Robotics II

- This is a two part course for pre-engineering students.
- The first part of the course involves building a robot to compete in a game against other schools.
- The second part of the course is more focused on engineering and programming challenges.
- You will learn to program robots, design mechanical systems, work with actuators and motors, and work in an engineering environment.
- Being a part of an FTC team results in a number of scholarship opportunities at engineering schools (Clarkson, MIT, RPI, etc.)
- This is for you if you have ever considered a career in engineering, computer programming, military drone piloting, or design work.
- This course is hands-on and your grades are competitive.



Exploring Agriculture

Grade Level: 9-10

Length: Full Year

Prerequisites: None (willingness to learn and try new experiences)

- The purpose of this class is to provide students with a foundation in agriculture. Career awareness, career exploration and skill preparation are integral parts of the curriculum. Students will be given opportunities to acquire a broad understanding of all areas of modern agriculture. We will focus on animal science, plant and soil science, basic woodworking, agricultural business and natural resources. Students will also work individually and/or cooperatively to develop and expand leadership abilities. Students can also join the FFA organization and compete in land judging, leadership and production contests.



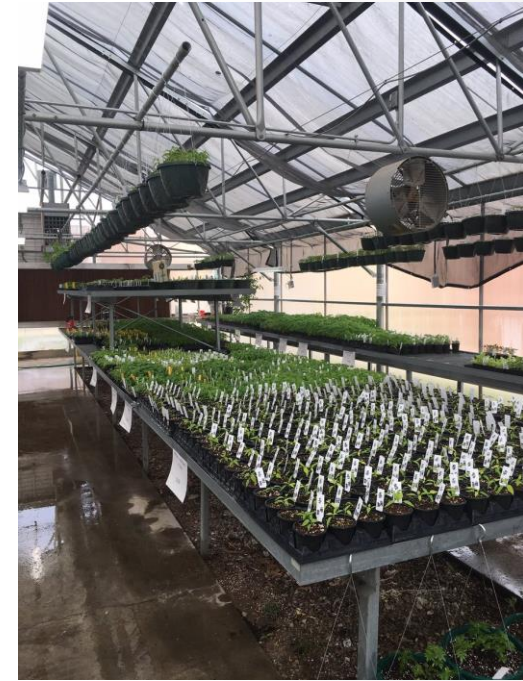
Greenhouse Management A/B

Grade Level: 9 -12

Length: ½ year – 2 classes

Prerequisites: None (willingness to learn and try new experiences)

- Plants surround our lives every day offering us beauty, oxygen, and opportunities to earn money. This course will teach identification, care and management of common house and landscape plants as well as help students explore rewarding career areas associated with plants. Students will develop skills such as propagation, pruning, plant maintenance, floral arrangement, landscape design, and greenhouse management.



***The South Lewis Agriculture Department has an articulation agreement between South Lewis High School and S.U.N.Y. Morrisville to grant college credit in this courses. Students earning college credit must pay tuition to Morrisville at a reduced rate. See Miss Humphrey for more information on college credit options.

Vet Science & Animal Care A/B

Grade Level: 10 -12

Length: ½ year – 2 classes

Prerequisites: Completion of or enrollment in Living Environment Course

- This course includes the study of large and small animal science. Animal examination, animal restraint techniques, vaccination, and proper animal nutrition are just a few of the topics students will study. Students will also study the history of animals in our society, systems of the animal body, behavioral patterns, what causes animal disease, how they affect humans, and how to treat them. Career exploration in the broad field of Veterinary Medicine will be covered. Students in this class are responsible for the feeding and care of our classroom animals.



***The South Lewis Agriculture Department has an articulation agreement between South Lewis High School and S.U.N.Y. Morrisville to grant college credit in this courses. Students earning college credit must pay tuition to Morrisville at a reduced rate. See Miss Humphrey for more information on college credit options.

Environmental Science

Grade Level: 10 -12

Length: Full Year

Prerequisites: Completion of or enrollment in Living Environment Course

- Environmental Science is designed for students interested in gaining an understanding of major environmental and ecological principles through class, lab, and field studies. Many topics pertinent to the 21st century will be discussed. The main topics included in the course include ecology, renewable and nonrenewable resources, land quality, water and atmospheric systems, global environmental changes and their consequences, human population growth dynamics and environmental decision-making including cultural, ethical, legal considerations and societal trade-offs.



***The South Lewis Agriculture Department has an articulation agreement between South Lewis High School and S.U.N.Y. Morrisville to grant college credit in this courses. Students earning college credit must pay tuition to Morrisville at a reduced rate. See Miss Humphrey for more information on college credit options.

Agricultural Mechanics

Grade Level: 10 -12

Length: Full Year

Prerequisites: None (willingness to learn and try new experiences)

- This course is designed to give students a strong foundation in the use of rudimentary shop skills. Tools, materials, and safety will be reviewed frequently as well as proper skills involving hand tool usage. This basic course in mechanics includes drawing & design, woodworking, metalworking, welding, electricity, etc. Students will have many opportunities to work on approved individual projects.



Wildlife Conservation & Natural Resources

Grade Level: 10 -12

Length: Full Year

Prerequisites: None (willingness to learn and try new experiences)

• This course will deal with wildlife and other resource issues that impact our local area. Students will become involved with career awareness, hunter safety, wildlife management, habitat development, soil and water conservation, woodlot management and other topics in Natural Resources. Students will also cover topics such as species identification and aquaculture.

***(Not offered 2017-18 school year: will return 2018-19)**



FOR ME, SINGING IS A
WAY OF ESCAPING.
IT'S ANOTHER
WORLD. I'M NO
LONGER ON EARTH.

QUOTEHD.COM

Edith Piaf

Chorus



- *Perform in 2 concerts a year
- *Sing a variety of music:
multicultural, classical, pop,
Holiday, jazz, Disney, movie
soundtrack, Broadway, etc.
- *learn singing techniques
- *learn basic music reading skills
and theory

Chorus is for everyone.....from
the serious singer, who might
want to perform in a future
career, to one who just enjoys
singing!



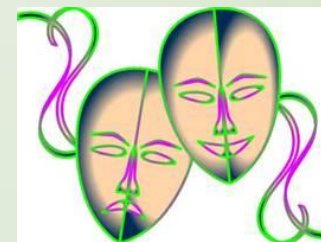
THE LITTLE CHOIR THINGS #57

**The faces your conductor
makes while you're
singing.**

**I don't just sing
in the shower...
I perform.**



Theatre Arts



Theatre Arts is a class where we take a look at all the aspects of the theatre from acting techniques to technical work. It's for everyone...from the serious performer who does all the school plays, to someone who has never stepped foot up there!



It's fun.....ask around!!!

BENEFITS

At the end of the course you will have more self confidence, public speaking skills, a basic understanding of the history of the theatre, acting skills, auditioning skills, improvisational skills, skit writing skills and a better idea of what you are capable of.

Careers

Actor
Light/Sound Tech
Director
Producer
Publicist
Stage Manager
Writer
Critic
Casting Agent
Set Design
Costume Design

37.

Are you a prop?
'Cause I'd die if I
lost you.

SENIOR HIGH BAND:

1. Must have played in MS in order to take this class.
2. If you play in MS you should play in HS
3. Several performance opportunities including local and away performances.
4. Community Service Credit
5. Can play in college in both PEP Bands and concert bands to get credit to fulfill arts and humanities requirements.



SENIOR BAND PERFORMS IN THE NYS CAPITAL
ALBANY, NEW YORK



Accounting I

Earn Career & Technical Education Graduation Credit

Course Description:

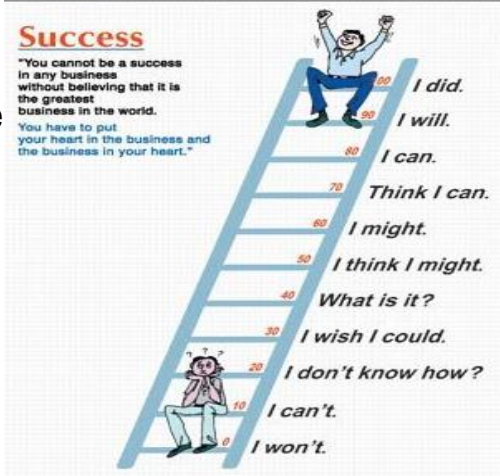
Accounting is a one semester introductory course in double entry accounting procedures. Students will learn to keep financial records for a service or retail business. Principles covered include the bookkeeping cycle, debit/credit theory, financial statements, use of various journal and ledgers, worksheets, accounts receivable and payable, and payroll systems.

Instructional Goals:

Upon Completion of this course, Students will...

- Read, interpret, and analyze financial information/terms
- Apply generally accepted accounting principles
- Understand how the accounting system provides business information
- Understand the dynamic nature of the business environment in which accounting information is used
- Recognize the various users of accounting information
- Identify career opportunities in accounting
- Demonstrate ethical practices
- Complete the accounting cycle of a business and analyze the financial health of a business.

Ladder of Success



TOPICS AT A GLANCE

- The Accounting Cycle
- Accounting for Assets, Liabilities, and Equities
 - Creating Financial Statements for a business
- Cash Control & Banking Activities
- Determining the Financial Health of a business



Students may be able to join The Future Business Leaders of America (FBLA) organization which is the Career & Technical Student Organization (CTSO) which Business students may join.



BUS 104 Personal Finance

A JCC College Course – Earn 3 College Credits & Local CDOS Credit

COURSE DESCRIPTION

This course provides an overview of personal finance as it relates to personal financial planning. Budgeting, credit control, expense control, mortgage and consumer financing, tax planning and investments are covered as well as the economic aspects of financial planning as it relates to household and business financial management.

INSTRUCTIONAL GOALS

Upon completion of this course, students will:

- Understand the elements of financial planning.
- Understand how to measure financial health and establish a financial plan.
- Understand the time value of money.
- Discuss concepts in tax planning and strategies.
- Gain knowledge in cash and asset management.
- Understand the role of credit in responsible financial management.
- Gain knowledge in mortgage and consumer credit.
- Understand the role of life insurance, health insurance, property and liability insurance.
- Discuss investment basics, the securities market, bond market, mutual funds and other alternative investment instruments.
- Develop an understanding of retirement and estate planning.
- Practice written communication.



TOPICS AT A GLANCE:

- Budgeting
- Tax Planning
- Credit Control
- Expense Control
- Investments
- Mortgage & Consumer Financing

Students will be able to join FBLA



BUS 116 Business Math

A JCC College Course – Earn 3 College Credits & Local CDOS Credit

COURSE DESCRIPTION

This course is designed to provide students the mathematical and conceptual skills needed to solve everyday business and personal finance problems encountered in the working world. Areas covered include percentage, banking, trade and cash discounts, markups and markdowns, simple and compound interest, consumer credit, and payroll.

INSTRUCTIONAL GOALS:

Upon Completion of this course, Students will...

- Add, subtract, multiply, and divide whole numbers, fractions, and decimals.
- Find percentages of number.
- Convert percentages to fractions and decimals, and vice versa.
- Reconcile demand deposit accounts.
- Calculate trade and cash discounts and retail markups and markdowns.

Do something today that your
future self will thank you for



TOPICS AT A GLANCE

- Percentage
 - Banking
- Trade & Cash Discounts
- Markups & Markdowns
 - Simple & Compound Interest
- Consumer Credit
 - Payroll

Students will be able to join FBLA

Who uses business Math?

EVERYONE! Every-----Business, Job and Career-----Anyone who deals with MONEY

Keyboarding

½ Credit for Career & Technical Education Credit

- Students apply their keyboarding skills to the production of business letters, memos, resumes, application letters, reports, and projects using various software.

"Today, technology has led to the use of computers in nearly every business industry. With the widespread use of computers, it has become a necessity for young adults to know how to properly use this technology, including the proper use of the keyboard. Keyboarding is an invaluable skill among those in the workforce, as it is used to type business correspondences, e-mails, and memos, track expenses, and create websites. Keyboarding, however, is also an extremely important skill to have in college. Typing is necessary for college reports, research, e-mailing professors and classmates, and even note-taking. While most high school and college-aged students in today's world know how to operate computers and type, many may not know the proper techniques and finger strokes for maximum typing speed and accuracy. Following proper keyboarding technique can not only increase speed and accuracy, but prevent injuries and strains related to the repetitive and time-consuming typing that every college student experiences." Western Governor's University 2017

"The single most important computer skill children can learn is basic typing."

"Technology is continuing and will continue to shape our daily and professional lives. Currently, voice and other input technologies are not prepared to meet today's demand, so the keyboard remains the primary source for inputting information into computers. Keyboarding skills are very important in that they can impact a person's ability to communicate with others in the future, both in social and professional realms." September 15, 2016 By: Tommy Doc

Physical Education

Graduation Requirement: 2 credits

*earn .5 credit each year

*mandatory aquatics course required each year to earn credit

Teachers: Mr. Smykla and Mrs. Gino



Self Defense and Violence Prevention

Traditional Sports

Orienteering

Tactical Concepts and Team Sports:

-European Handball

-Ultimate Frisbee

Badminton

Archery

Fitness

Aquatics

Dance

Golf

Ski



Learn to read, write, speak, and comprehend Spanish in:
Español II – learn about sports, traveling, and music.
Español III – learn about food, shopping, and hotels.
Español IV – Learn the culture of Spanish speaking countries.
Español 221/222 – Earn six college credits through JCC

You may also earn a the Seal of Biliteracy which appears on your diploma at graduation and is helpful for employment.



Animals in Translation

Romeo and Juliet

English 9

Oedipus the King

"The Tell-Tale Heart"

"St. Lucy's Home for Girls Raised by Wolves"



- Introduction to 9th Grade ELA curriculum and preparation for Common Core English Regents in 11th grade
- Focus on a variety of fictional and informational texts for close reading and annotating skills
- Write paragraph and essay responses based on close reading and annotating of texts
- Complete an inquiry-based research paper/project as a year-end unit

ENGLISH 10

MRS. MCGUIRE



Macbeth

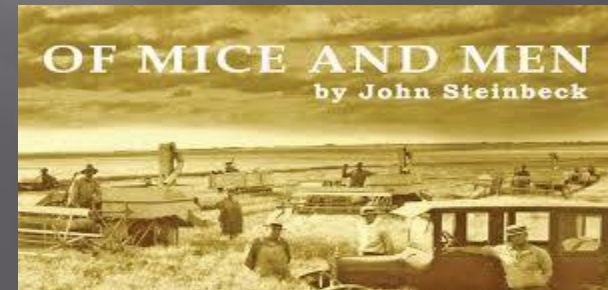


Letter from a Birmingham Jail

Argumentative
Writing



Lord of the Flies



A Classic Tale of Friendship

ENGLISH 11 REGENTS

- We prepare extensively for the Common Core English Regents (taken in June), which has three parts:
 - Reading Comprehension Questions for Fiction, Non-Fiction, and Poetry
 - Argumentative Essay
 - Literary Analysis Mini-Essay
- Students complete daily HW assignments to develop reading and writing skills
- Major projects include the following:
 - Argumentative Essay on Civil Liberties
 - Author Study Research Paper
 - Mid-term and Final Exam

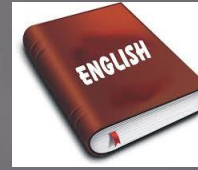
English 11 Honors

- ▣ Students must demonstrate excellent English skills and solid work ethic to be considered for the course
- ▣ First half of the year: Accelerated English 11 course; students take the Common Core English Regents in January
- ▣ Second half of the year: JCC Composition 100 (a writing course that prepares students for advanced English courses in the senior year)
- ▣ Performance in this course determines placement for Composition 101 and 102

Julius Caesar
Workforce 2020

English 12

Guns, Germs and Steel
College Application Essays



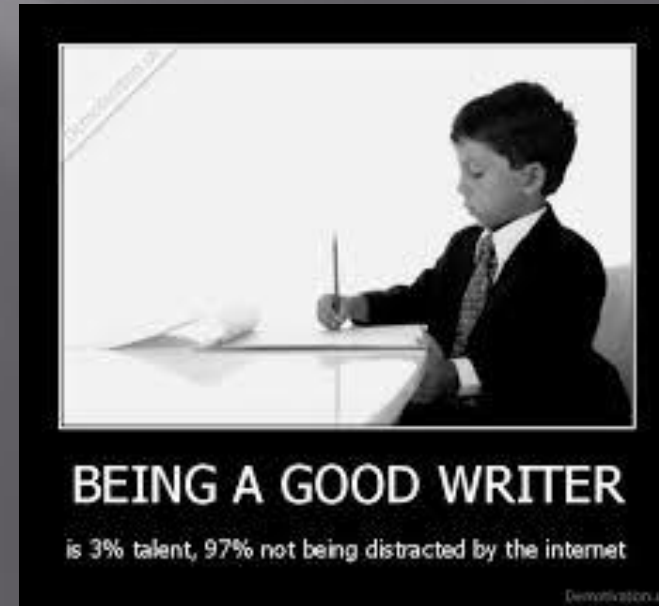
- ▣ Preparation for college level introductory composition and literature courses
- ▣ Reading of varied fictional and informational texts to enhance skills with close reading and annotating
- ▣ College and career preparation by creating employment forms for and attending Workforce 2020
- ▣ Complete an argumentative research paper/project as a year-end unit

English 101

Reading and Writing in the Rhetorical Modes

Earn College Credit from Tompkins
Cortland Community College.

- ▣ Illustration
- ▣ Description
- ▣ Narration
- ▣ Definition
- ▣ Comparison and Contrast
- ▣ Cause and Effect
- ▣ Division and Classification
- ▣ Argumentation
- ▣ Process Analysis



English 102

Introduction to Literature

▣ Units of Study:

- Poetry
- Short Stories
- Novel
- Drama

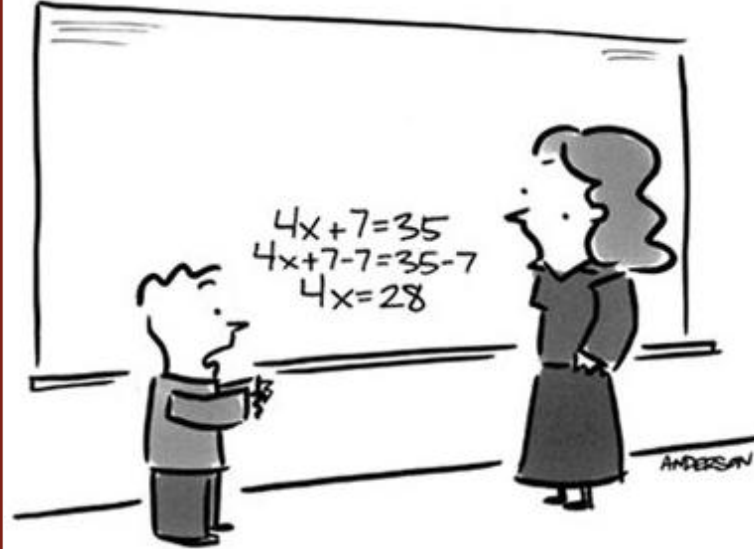
Earn Credit from Tompkins Cortland
Community College

Students will study literary criticism and understand that it arises from different perspectives.

- Biographical
- Psychological
- Historical
- Feminist
- Reader-Response
- The New Historicism
- Marxist/Socialist
- Structuralism.

Algebra A

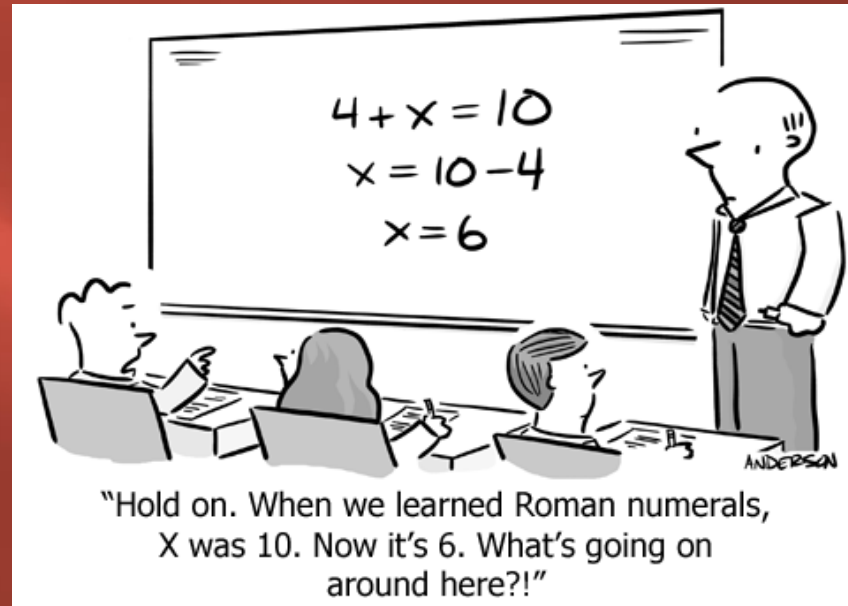
- The study of algebra will help students acquire the skills necessary for logical and critical thinking, inductive and deductive reasoning, and problem solving.
- Topics include numbers and quantities and algebra.
- All students enrolled in Algebra A are required to take the Algebra I Regents Exam at the end of the 2nd year.



"You knew X was 7 the whole time and you never said anything?!"

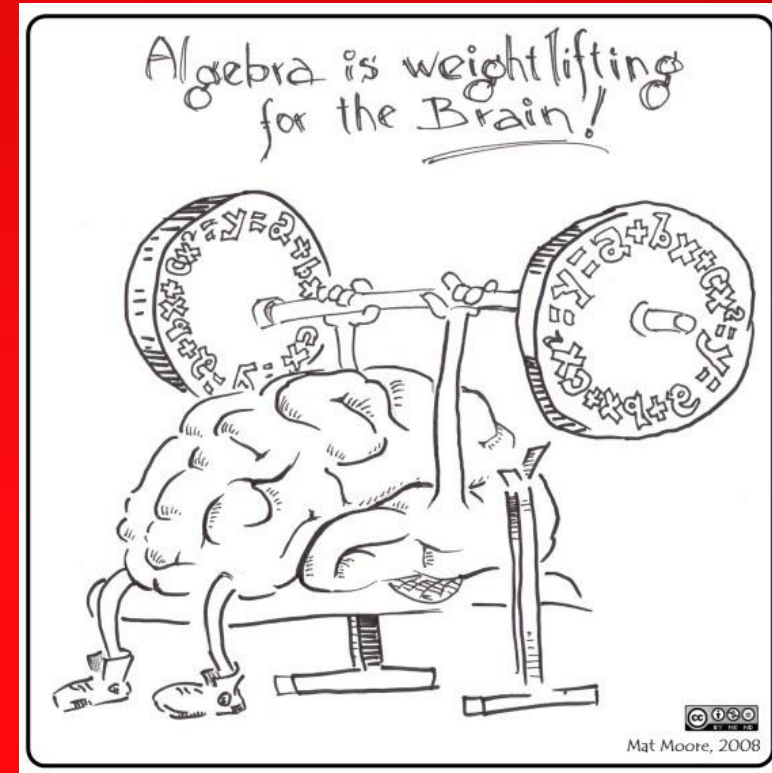
- The study of algebra will help students acquire the skills necessary for logical and critical thinking, inductive and deductive reasoning, and problem solving.
- Topics include functions, statistics and probability.
- All students enrolled in Algebra B are required to take the Algebra I Common Core Regents Exam at the end of this second year.

ALGEBRA B



Algebra I

- The study of algebra will help students acquire the skills necessary for logical and critical thinking, inductive and deductive reasoning, and problem solving.
- Topics include numbers and quantities, algebra, functions, statistics and probability. A strong middle level mathematics background is important for success in this course.
- All students enrolled in algebra are required to take the Algebra I Regents Exam at the end of the year.





GEOOMETRY

The study of *Geometry* helps students acquire the skills necessary for logical and critical thinking, deductive reasoning, and problem solving.

Prerequisite:
Pass the Algebra I
Class and
Regents Exam
(STRONG ALGEBRA
BACKGROUND)

Full year, 1 credit
Regents Exam

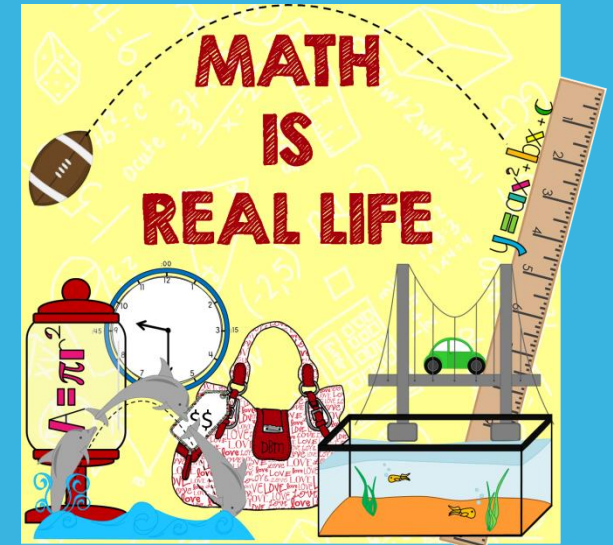
Topics Include:

- Constructions
- Triangle theorems & congruence proofs
- Transformations
- 3D space
- Similarity
- Trigonometry
- Area and Volume
- Coordinate Geometry
- Circle Geometry

Prerequisites: Students must have passed the Algebra A and B Class.

Applied Math is a non-regents third year mathematics course. Time will be used to teach and strengthen students' skill in areas such as algebra, trigonometry, geometry, probability, statistics, and dimensional analysis. This course will focus on "Real World" applications of the mathematics being taught, with an emphasis on money management, cost analysis, calculator techniques, mortgages, interest rates and credit cards, and large number calculations using national debt and space as primary examples.

APPLIED MATHEMATICS



FOUNDATIONS OF MATH

Prerequisites:

Students must have passed the Algebra I (or 1A & 1B) Class and the Algebra Regents Exam

This is a beginning/intermediate algebra course intended to give students the foundation for and prepare them for College Algebra.

Solve for x.

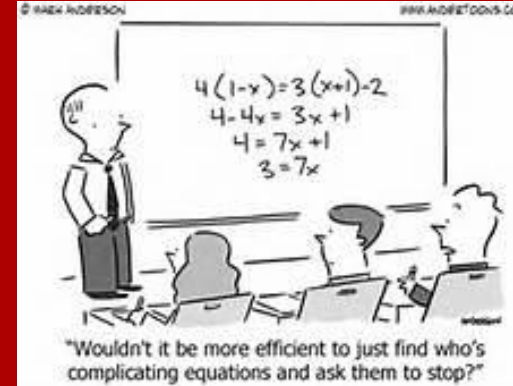
$$\frac{1}{5}x + \frac{1}{3} = \frac{4}{3}$$

Topics include:

- Operations of the Integers
- Algebraic operations
- Linear Equations and Inequalities with applications
- Coordinate graphing
- Linear and Quadratic graphing
- Exponents
- Factoring and solving quadratics and higher degree equations
- Additional topics may include polynomials, rational expressions/equations, & systems of equations.

? $a^2 + b^2 = c^2$
 $y = mx + b$? $d = rt$?

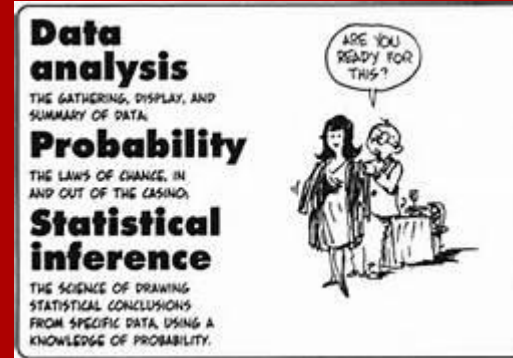
Algebra II



- Prerequisites: Passing the Algebra I & Geometry courses and the NYS Regents Exams associated with these courses.
- Topics include polynomial, rational, and radical relationships, trigonometry, exponential and logarithmic functions, geometric series, statistics and probability. A strong algebraic background is important for success in this course.
- Students will be required to take the NYS Algebra II Regents Examination in June.
- High School Credit

College Statistics

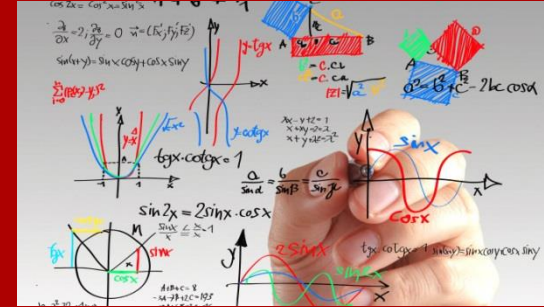
Math 200



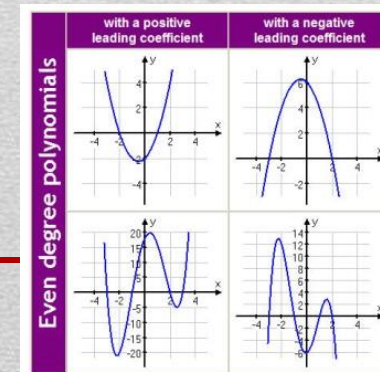
- This is a college-level introductory course through TC3, that prepares college bound seniors and advanced juniors for making important advances and decisions in many fields of work and study.
- Prerequisites: Passing the Algebra II course and the NYS Regents Exam.
- Included is the study of one variable descriptive statistics; linear regression; probability; probability distribution and binomial distribution; sample variability and central limit theorem; normal curve and normal probability distribution; inferential statistics including one population hypothesis testing, two population hypothesis testing and chi square hypothesis testing.
- High School Credit and 3 College Credits

College Algebra

Math 120

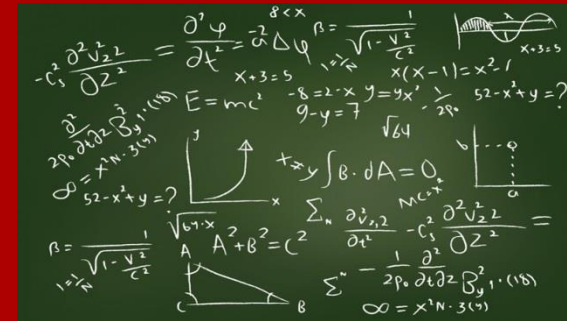


- This is a college-level, fall semester course, through TC3, that prepares college bound seniors and advanced juniors for the advanced mathematics required in careers in business, science, social sciences, engineering, and education.
- Prerequisites: Passing the Algebra II course and the NYS Regents Exam.
- This course covers fundamental algebra and trigonometry between elementary algebra and pre-calculus. Topics include:
 - polynomial and rational expressions
 - first and second-degree equations
 - polynomials and rational equations
 - transformations
 - right triangles and functional trigonometry
 - graphing
 - functions
 - absolute value
 - complex numbers
- High School Credit and 3 College Credits

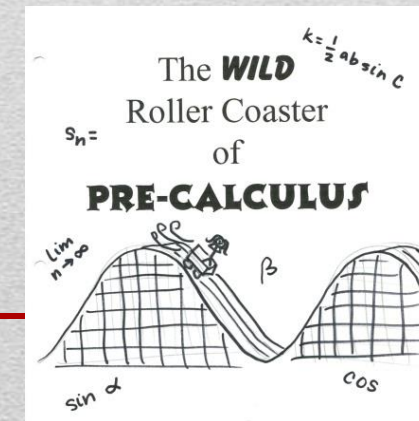



College Precalculus

Math 138



- This is a college-level, spring semester course, through TC3, that prepares college bound seniors and advanced juniors for the required in careers in **business, science, social sciences, and engineering.**
- Prerequisites: Successful completion of Math 132
- This course provides the algebraic foundation, from a function standpoint, for a standard Calculus course. Topics include:
 - inverse functions and their graphs
 - trigonometry with applications
 - exponential and logarithmic functions with applications
 - vectors
 - conic sections
- High School Credit and 3 College Credits



The background features a dark blue gradient with a starry pattern. Overlaid on this are several white, semi-transparent diagrams of celestial bodies and orbits. These include circles with arrows indicating rotation or orbital paths, and larger circular arcs with tick marks and numerical labels (40, 150, 160, 180, 190, 210, 220, 230, 240, 250, 260) that resemble a celestial sphere or a coordinate system.

ASTRONOMY
EARTH'S MOTIONS
SOLAR SYSTEM

METEOROLOGY, WEATHER,
CLIMATE, SEASONS

REQUIRED ADDITIONAL
LAB TIME- THIS ROCKS!

EARTH SCIENCE

GEOLOGY, EARTH'S HISTORY,
ROCKS AND MINERALS, MAPS,
WEATHERING AND EROSION,
PLATE TECTONICS, EARTHQUAKES

Living Environment

Instructors: Mr. Comet or Mrs. Gerhardt

What is the *Living Environment: Biology* course?

The Living Environment is a lecture and laboratory course based upon the “Living Environment Core Curriculum” as produced by the New York State Education Department. It is comprised of the ten main “Key Ideas” listed below (as they apply to NYSED Learning Standards for Mathematics, Science, and Technology #1 and 4. (MST 1, 4)

Standard #1: Students will use mathematical analysis, scientific inquiry, and engineering design, as appropriate, to pose questions, seek answers, and develop solutions

Standard #4: Students will understand and apply scientific concepts, principles, and theories pertaining to the physical setting and living environment and recognize the historical development of ideas in science.

Key Idea 1: Living things are both similar and different from each other and from nonliving things.

Key Idea 2: Organisms inherit genetic information in a variety of ways that result in continuity of structure and function between parents and offspring.

Key Idea 3: Individual organisms and species change over time.

Key Idea 4: The continuity of life is sustained through reproduction and development.

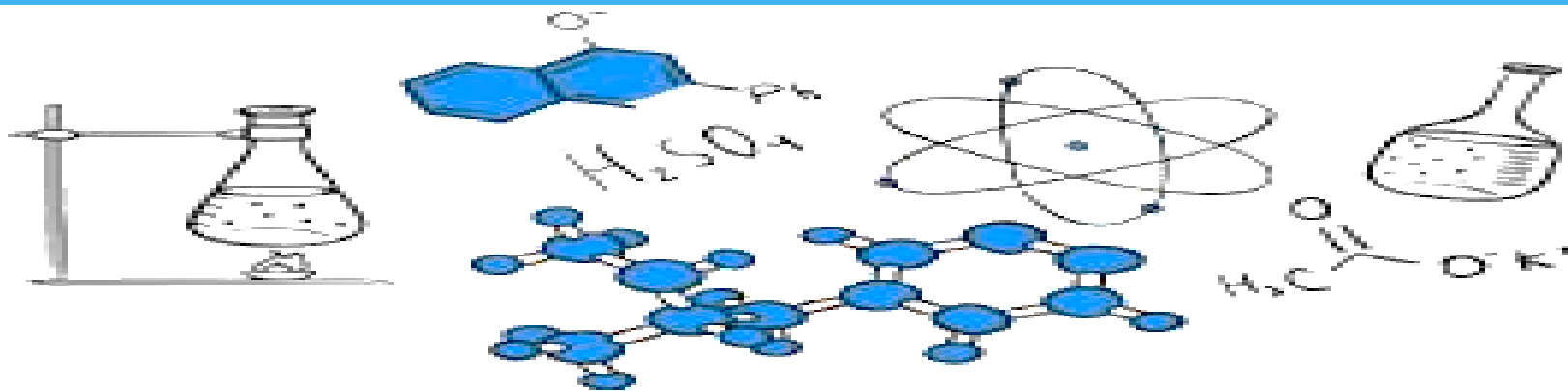
Key Idea 5: Organisms maintain a dynamic equilibrium that sustains life.

Key Idea 6: Plants and animals depend on each other and their physical environment.

Key Idea 7: Human decisions and activities have had a profound impact on the physical and living environment

In addition to a daily lecture, students will be scheduled for two lab periods in the six day cycle. Therefore, as a prerequisite for admission to the Regents Examination in Living Environment, each student must have successfully completed 1200 minutes of laboratory experience with satisfactory written reports for each laboratory investigation. IN ADDITION, students must complete the mandatory labs that are given to us by the New York State Education Department each year on a rotating basis to be admitted to the Regents Examination.

Chemistry...yes, we blow stuff up



- * You discover how the world actually works
- * You will ask questions and find answers
- * You...blow stuff up... but don't be scared. You will wear goggles.
- * You get your third Regents Science Credit for Advanced Diploma status
- * You are more prepared for ANY college major

TAKE PHYSICS



It is the answer to every question you have ever wondered.



It's difficult yet fun

Thinking is a practiced skill



Actual uses for basic algebra

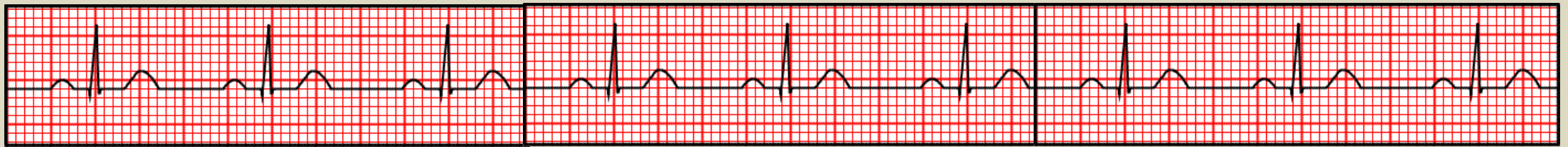
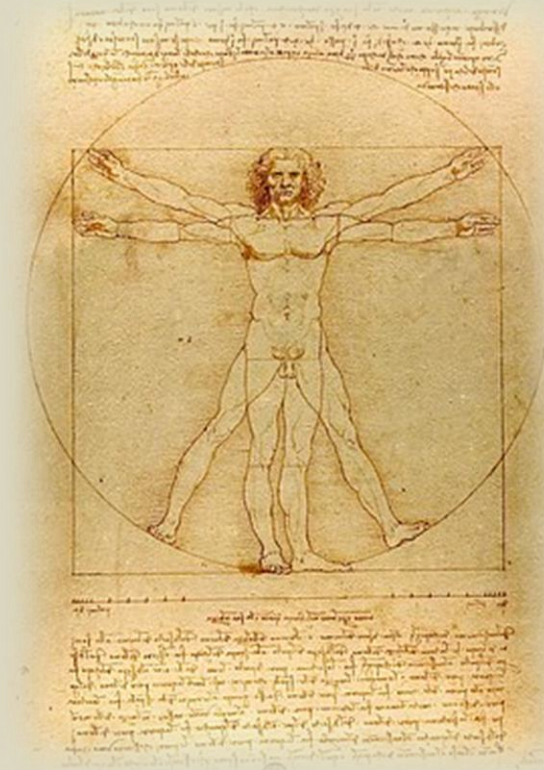


Human Anatomy and Physiology

Instructor: Mr. Comet

This is a year long course for local credit which deals with the structure and function of the human body. Sixteen sections of the course are dedicated to the following area:

- | | |
|----------------------------|--|
| 1. Human Body Orientation | 9. The Endocrine System |
| 2. Basic Chemistry | 10. Blood |
| 3. Cells and Tissues | 11. The Cardiovascular System |
| 4. Skin and Body Membranes | 12. The Lymphatic System and Body Defenses |
| 5. The Skeletal System | 13. The Respiratory System |
| 6. The Muscular System | 14. The Digestive System and Body Metabolism |
| 7. The Nervous System | 15. The Urinary System |
| 8. Special Senses | 16. The Reproductive System |



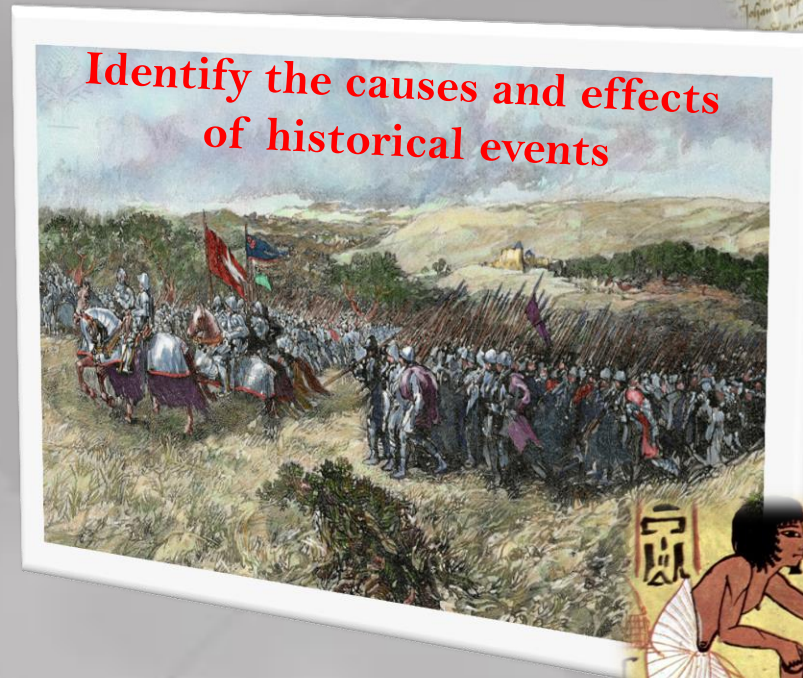
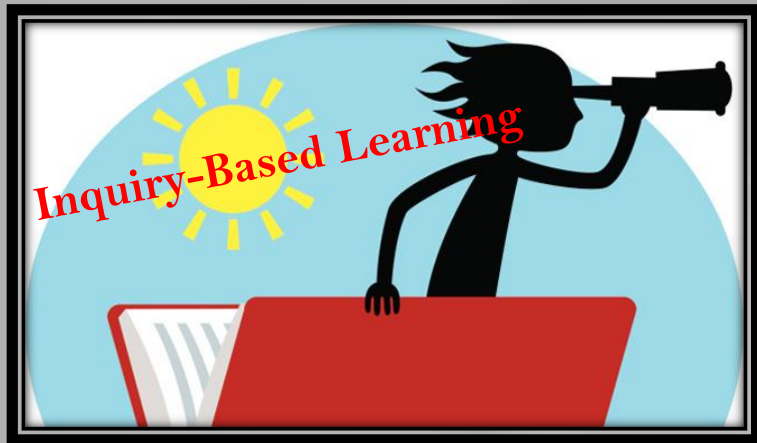
GLOBAL HISTORY AND GEOGRAPHY I

Course of Study:

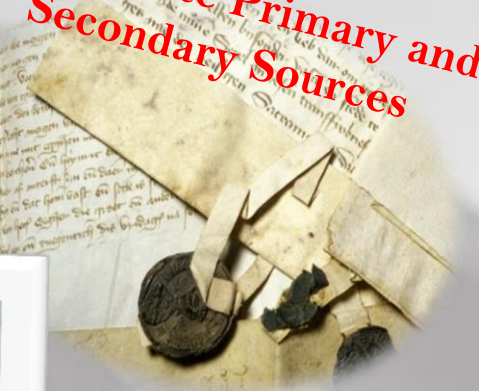
- Begins with the Paleolithic Era and the development of the first civilizations
- Exams the classical societies of ancient Greece, Rome, and China
- Traces the expansion of trade networks and their global impact

Key Themes Include:

- Interactions over time
- Shifts in political power
- Role of belief systems



Evaluate Primary and Secondary Sources



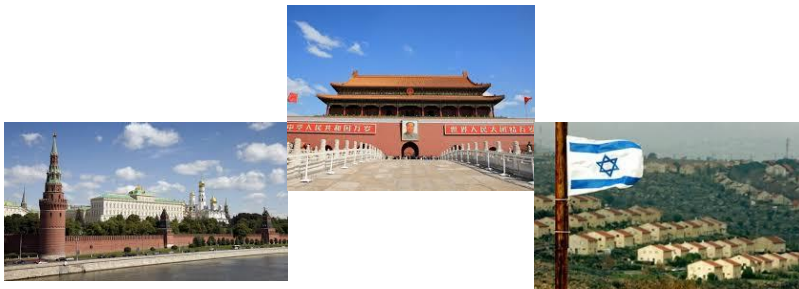
Global History and Geography II

This course examines world history from 1750 to the present and provides students with the opportunity to explore what has happened in various civilizations and regions in our world.

Sophomores will investigate issues and events from multiple perspectives and make global connections that lead to in-depth understanding.

All students in New York State must successfully complete the Global History and Geography Regents exam at the conclusion of this course as it is required for a New York State Regents diploma.

Feel free to contact Mr. Shannon if you have questions or concerns: dshannon@southlewis.org



WELCOME TO UNITED STATES HISTORY AND GOVERNMENT

Mr. Griffiths – Room 130



“To understand today, you have to search yesterday.”—Pearl Buck

Course Description

Our journey will begin in the days of Colonization; to the Revolutionary War; from the Articles of Confederation to the establishment of the Constitution; from the Age of Jackson to the days our Union was divided in the Civil War; from the Age of Reconstruction to the Gilded Age and Progressive Era; from World War I to the Great Depression and World War II; and from the Cold War to a world in uncertain times. We will see how the American people lived and learned. This year, United States History and Government will give you a look at the American people's lives, culture, history, political system, economics, and more.





ECONOMICS 12

This one semester course is designed to provide an understanding of the American economy as a whole. The course is a survey of both macro and microeconomic principles. Students will study economic principles affecting national and global economies, as well as personal economic decisions affecting each of our lives.





Government 12



Participatory government is a 12th grade social studies course that is required by the New York State Education Department for graduation. The course is a semester requirement that emphasizes creating well rounded citizens who understand the function of our government and actively participate as informed citizens. This class is focused on students participation in government, therefore the majority of the class requires active rather than passive learners.



Others: